

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: February 24, 2003, 14:01:37 : Search time 191.994 Seconds  
(without alignments)  
10490.107 Million cell updates/sec

Title: US-09-922-895-3

Perfect score: 3586

Sequence: 1 GGATCCCTACCTTCCCATC.....CTATCAGAGGAGAGTGA 3586

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 44218 seqs, 280819700 residues

Total number of hits satisfying chosen parameters: 884236

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: Published\_Applications\_NA.\*  
2: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq.\*  
3: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq.\*  
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14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	3586	100.0	3586	9 US-09-922-895-3	Sequence 3, Appli
2	344.2	9.6	1915	12 US-10-106-623-3	Sequence 3, Appli
3	206.2	5.8	152331	9 US-10-095-480-16	Sequence 16, Appli
4	205	5.7	1376	9 US-09-986-480-38	Sequence 38, Appli
5	205	5.7	29529	12 US-10-135-689-3	Sequence 3, Appli
6	204	5.7	1717	10 US-09-964-824A-100	Sequence 100, App
7	203.8	5.7	65464	9 US-09-859-888-3	Sequence 3, Appli
8	203.2	5.7	8294	12 US-10-084-037-2	Sequence 2, Appli
9	203	5.7	4862	10 US-09-764-877-2294	Sequence 2294, Ap
10	203	5.7	40645	9 US-10-216-441-3	Sequence 3, Appli
11	203	5.7	40645	9 US-09-818-656A-3	Sequence 3, Appli
12	202.2	5.6	44848	9 US-09-988-113-42	Sequence 42, Appli
13	202.2	5.6	44848	10 US-09-776-874A-42	Sequence 42, Appli
14	201.4	5.6	41907	10 US-09-967-013-5	Sequence 5, Appli
15	201.2	5.6	174424	10 US-09-967-768A-114	Sequence 314, App
16	200	5.6	167343	10 US-09-967-436-281	Sequence 281, App
17	200	5.6	167343	10 US-09-964-824A-273	Sequence 273, App
18	200	5.6	174424	10 US-09-967-768A-314	Sequence 314, App
19	199.8	5.6	465237	10 US-09-933-267A-1	Sequence 1, Appli

20	199.6	5.6	12477	10 US-09-764-870-559	Sequence 559, App
21	199.6	5.6	12477	10 US-09-764-853-851	Sequence 851, App
22	199.2	5.6	465237	10 US-09-933-267A-1	Sequence 1, Appli
23	198.6	5.5	2702	9 US-09-822-846-142	Sequence 142, App
24	198.6	5.5	143306	10 US-09-729-920-3	Sequence 3, Appli
25	198	5.5	8058	10 US-09-880-107-2327	Sequence 2327, App
26	198	5.5	40433	10 US-09-880-107-3327	Sequence 3327, App
27	198	5.5	56737	10 US-09-782-378A-17	Sequence 17, Appli
28	198	5.5	110096	10 US-09-880-107-1542	Sequence 1542, App
29	197.8	5.5	68666	10 US-09-764-903-65	Sequence 65, Appli
30	197.8	5.5	15772	10 US-09-764-903-66	Sequence 66, Appli
31	197.8	5.5	133893	9 US-10-161-510-1	Sequence 3814, App
32	197.8	5.5	198285	10 US-09-880-107-3814	Sequence 3, Appli
33	197.6	5.5	10968	10 US-09-867-753-3	Sequence 1937, App
34	197.6	5.5	27681	10 US-09-764-869-1997	Sequence 1998, App
35	197.6	5.5	27681	10 US-09-764-869-1998	Sequence 7, Appli
36	197.6	5.5	170834	10 US-09-820-905-3	Sequence 79, Appli
37	197.6	5.5	203654	10 US-09-820-905-3	Sequence 2116, App
38	197.4	5.5	145831	10 US-09-969-708-79	Sequence 3814, App
39	197.4	5.5	145831	10 US-09-954-456-2116	Sequence 2651, App
40	197.2	5.5	198285	10 US-09-880-107-3814	Sequence 71, Appli
41	197	5.5	11337	9 US-09-764-877-2651	Sequence 599, App
42	197	5.5	31394	10 US-09-764-904-71	Sequence 243, App
43	197	5.5	31394	10 US-09-764-860-599	Sequence 1364, App
44	197	5.5	75899	10 US-09-854-883-243	
45	196.8	5.5	2781	10 US-09-764-847-1364	

#### ALIGNMENTS

RESULT 1  
US-09-922-895-3  
Sequence 3, Application US/09922895  
Publication No. US20020192214A1  
GENERAL INFORMATION:  
APPLICANT: DAUGHERTY, BRUCE L.  
DE MARTINO, JULIE A.  
SICILIANO, SALVATORE J.  
SPRINGER, MARTIN J.  
TITLE OF INVENTION: EOSINOPHIL EOTAXIN RECEPTOR  
NUMBER OF SEQUENCES: 4  
CORRESPONDING ADDRESSES:  
ADDRESSEE: Merck & Co., Inc.  
STREET: P.O. Box 2000, 126 E. Lincoln Ave.  
CITY: Rahway  
STATE: NJ  
COUNTRY: USA  
ZIP: 07065-0900  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/922,895  
FILING DATE: 06-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/847,296  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 60/017,113  
FILING DATE: 26-Apr-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Thies, J. Eric  
REGISTRATION NUMBER: 35,382  
REFERENCE/DOCKET NUMBER: 19634Y  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 908-594-3904  
TELEFAX: 908-594-4720  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:

LENGTH: 3586 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-922-895-3

Query Match 100.0%; Score 3586; DB 9; Length 3586;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 3586; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGATCCCTACCTTCCCATCAGAGCTAGGGGCGATGGAGCGCTCTGCTAGATGGGGA 60  
DB 1 GGATCCCTACCTTCCCATCAGAGCTAGGGGCGATGGAGCGCTCTGCTAGATGGGGA 60  
QY 61 CCCCCAAGAAATGTCCTCCGTGGGGCAGCTTCTTACCAATGGGATGGCGAGCGGTT 120  
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DB 121 AAGTGGTGTCAGGCGAAGAAAAAAGATCTAGTTTGTACTTGTGAGATGCTCGGTTT 180  
QY 181 GTTCATGGATGGGCGAGGAGTCAAGGAGCAGACGCTTCCTCACTGCTTACCAGTGA 240  
DB 181 GTTCATGGATGGGCGAGGAGTCAAGGAGCAGACGCTTCCTCACTGCTTACCAGTGA 240  
QY 241 GGAAGAGTCATGAGCTTGGGCGCAGGGCCGCTGGTGGAGGCTTGTGTAACAGA 300  
DB 241 GGAAGAGTCATGAGCTTGGGCGCAGGGCCGCTGGTGGAGGCTTGTGTAACAGA 300  
QY 301 GAGGGCTCTCCATTCACGCCCAAGAGACTAAGATGAATACCTCATGATATATAGC 360  
DB 301 GAGGGCTCTCCATTCACGCCCAAGAGACTAAGATGAATACCTCATGATATATAGC 360  
QY 361 TACAACCCACACGACGAGGTTCCAGAAAAAGCTCAGCGTTGGAACAGGTCAACCC 420  
DB 361 TACAACCCACACGACGAGGTTCCAGAAAAAGCTCAGCGTTGGAACAGGTCAACCC 420  
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QY 481 CTCTGCCCATCTCTCAAGTTGTAGTGGCCCTTCCTCAGATCTCTGCCACATCTTGA 540  
DB 481 CTCTGCCCATCTCTCAAGTTGTAGTGGCCCTTCCTCAGATCTCTGCCACATCTTGA 540  
QY 541 AAGGACACCTGAAAGAAAGAACTGAATTTATAGCTGACGATTAAGAGAGATGATAA 600  
DB 541 AAGGACACCTGAAAGAAAGAACTGAATTTATAGCTGACGATTAAGAGAGATGATAA 600  
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DB 1201 AGCCCCCAAGTAGTTGGACACACAGTATGCGCACATGCGCTGCTAATTTCTATTT 1260  
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DB 1261 TTTTGTAGATAGGATCTCACTATATTGTCAGGCTGCTTGAATTCCTGGGCTCAGG 1320  
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DB 1321 TGAGCCCTCCACCTGGGCGCCCAAGTACTGGGATTTACAGGATGAGCAAGTCCCT 1380  
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QY 1441 GACTCTGGAGGACCTGCTGCTTTCTTGAAGCTGTAACCTTCAATGCTTAAAGCTCAT 1500  
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DB 1681 TTAACGGTGAATCAAGCTCATATACCTTGTCTCAGAAATAGCAGTCTGCTTTT 1740  
QY 1741 CTTCCTTTAGATGCTGAAGTGCAGAAAGACACTGTGATTTGATGCTGTAACTGACA 1800  
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DB 1801 AATGTATTTTCTCTGCTGCTATGAGATTGATTTGATTTATGATTAAGAAATG 1860  
QY 1861 TGAATGGAGACACAAACCAATTTGCTCAGTCAATTTCTCCTCAAAAGCCTGGA 1920  
DB 1861 TGAATGGAGACACAAACCAATTTGCTCAGTCAATTTCTCCTCAAAAGCCTGGA 1920  
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DB 1921 ATGTGCATTTGATCAGTGGAGATGTACCTGACAGACCCATGAAAAAGATCAACAAG 1980  
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DB 1981 TCAACCAAGGACCTATTTTCTTAAATTTCAATTTGAATGCTTCTAAATGCTCT 2040

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Db 2101 CACTCTCAATTTTTCCTCAGACACAACCCCAAGTGAACCCCAATGCTCTCAGCTTTCGATTTAA 2160  
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Db 2221 GGCTCATTTCATCTATTTCTCAGTGTGACTGACAGCAAGCCCAACATGATGGG 2280  
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Db 2341 GTTATTAAAGATTTCTCAGATTTTACCTTGAGAAATGCCCATGCGCTGTATTTACATC 2400  
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Db 2461 AGTGCATGCTTAACCTCTCTCTCTAGAAAGAGAAATGAGTGTGATGCTCTGAGAACT 2520  
Qy 2521 TTTCCACCCAGAGCT 2580  
Db 2521 TTTCCACCCAGAGCT 2580  
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Db 2581 AGAATATCAAGTCTCAGTGAAGAAATCCCATTTGACTGACCCCTCTGCTTACCCCTTTGTG 2640  
Qy 2641 ATGAGAGAGCTCCCAAGGGGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2700  
Db 2641 ATGAGAGAGCTCCCAAGGGGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 2700  
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Db 2701 GGGGCAAGAAAGAAAGAAATCTAACTAATGCTGTATTAATTTGTAATTTGTAATA 2760  
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Db 2761 GTTAATTTACTGTGATTTGATGATGTAACAGACAAATGCTATTTTTCACAGCTGCT 2820  
Qy 2821 GTGATTTGATTTATGCTATTTGGAATGCTGTATTAAGAGACACAAGCCAGGTTC 2880  
Db 2821 GTGATTTGATTTATGCTATTTGGAATGCTGTATTAAGAGACACAAGCCAGGTTC 2880  
Qy 2881 TCAAGTCCGAGAGCAATTTTTCAAAGTAAATTTAAATTTCACTAATTTGATGCTAGT 2940  
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Db 3061 ATGAATGCTCATATTAATGAGGCGCTGAGAGACATTAATTTACTTTGTAATTTGTAATATC 3120

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Db 3121 ATTTGATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 3180  
Qy 3181 TAACTGTAAACATTAATAATGCAAAATGCGTAAGACAGTACTAATTAATGATTTAT 3240  
Db 3181 TAACTGTAAACATTAATAATGCAAAATGCGTAAGACAGTACTAATTAATGATTTAT 3240  
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Db 3241 TATATTTGATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 3300  
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Db 3301 TACAGAAATCTGTATTTCCCATTTCTTCCACACACACACACACACATTTCTGCTTTTCCC 3360  
Qy 3361 ATGCGGTCATGCTAATTTGAAAGCTTTCAGCTCTTCTCTCTCTCTCTCTCTCTCTCTCTCT 3420  
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Qy 3421 ACCCTGATATTCCTTTTGAATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 3480  
Db 3421 ACCCTGATATTCCTTTTGAATTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 3480  
Qy 3481 CATCTTTGTTGAGTACATTAATAATCACTGCTGCTTTTACAGAGATGATTTATCTT 3540  
Db 3481 CATCTTTGTTGAGTACATTAATAATCACTGCTGCTTTTACAGAGATGATTTATCTT 3540  
Qy 3541 CATTTGGGATTTGATTTTCTTCT 3586  
Db 3541 CATTTGGGATTTGATTTTCTTCT 3586

RESULT 2  
US-10-106-623-3  
Sequence 3, Application US/10106623  
Patent No. US2002015088A1  
GENERAL INFORMATION:  
APPLICANT: Gray, Patrick W.  
Schweickart, Vicki L.  
Raport, Carol J.  
TITLE OF INVENTION: Chemokine Receptor Materials and Methods  
NUMBER OF SEQUENCES: 20  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
STREET: 6300 Sears Tower, 233 S. Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/106, 623  
FILING DATE: 26-Mar-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/771,276  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: No. US2002015088A1and, Greta E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 27866/33670  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-474-6300  
TELEFAX: 312-474-0448  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1915 base pairs







SEQ ID NO 3  
LENGTH: 40645  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-216-441-3

Query Match 5.7%; Score 203; DB 9; Length 40645;  
Best Local Similarity 63.5%; Pred. No. 1.1e-31;  
Matches 345; Conservative 0; Mismatches 190; Indels 8; Gaps 2;

QY 871 TTGGGATATTTACTTGTCTTTGCTCTTCTTATTTATTTACTTATTTAC 930  
DB 14801 TTTTTCATTTTATTTTATCTGTGTGTGTGTGTAACCTTTTGTGATATGATTATATA 14860  
QY 931 ATTACCCATCGTTTCCCAAAATGTAAGCAATTTGAAGCCATATTCAAACCTCT 990  
DB 14861 GTTTTCATTAATAATTTGTAATAATTTTCAGCTATTTATTTCTGTAAGCTTTTCACCTTT 14920  
QY 991 TCACATTTTGTATCTAAGTATTCACCTTGATTTGAGACTGGGT-----AGACAGGTGAA 1044  
DB 14921 TCTTCTTTCACAGACCTCCATTTACATTTAGGCTTTTGAAGCTGTCTACACCTTAGCA 14980  
QY 1045 AACCATATAGGTTTATTTTATTTTATTTTATTTATTTATTTATTTATTTTGG 1104  
DB 14981 TACCTGTCTTTTAAAAAATTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTG 15040  
QY 1105 AGATGAGTCTGG--CTGTGCCAGAGCTGAGTGCAGCGCGGTATCAAGTTCACCTGC 1162  
DB 15041 AGATGAGTCTGACCTGTGTACACCAAGCTGAGTGCAGTGTATGATCTCAGCTCCTGC 15100  
QY 1163 AGCTCAACCTTCTAGGCTCAAGGATTTCTCCACCTCAGCCCCCAAGTATTTGGACC 1222  
DB 15101 AACCTCACCCTCCAGGTTCAAGTATTTCTCCGCTCAGCTCCCAAGTATGAGTAAT 15160  
QY 1223 AACAGTATGCGGCACACATCCCTGCGTAATTTCTTATTTTGTAGATAGATCTCAC 1282  
DB 15161 ACAGGATACACACACACCAAGCTAATTTTGTATTTGTAGATAGAGAGGTTTCTAC 15220  
QY 1283 TATATGTCCAGGCTGTGTTGAATTCCTGGGCTCAGTGCAGTCCCACTGGGCTCC 1342  
DB 15221 CATGTTGGCTGGGCTGTGTGTGACCTCTGACCTCAGTGATTCACCTCTCGGCTTCC 15280  
QY 1343 CAAAGTATGAGTATACAGGATGAGCCAAAGTCCCTCCCATATGAGATTTTCTGTCT 1402  
DB 15281 CAAAATGCGGGATTTACAGGATGAACTCAATGCCACAAAATGTTCTTTTCTCTCT 15340  
QY 1403 CTG 1405  
DB 15341 CTG 15343

RESULT 11  
US-09-818-656A-3  
Sequence 3, Application US/09818656A  
Patent No. US20020142381A1  
GENERAL INFORMATION:  
APPLICANT: CONG. Fangcheng et al.  
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS.  
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS.  
TITLE OF INVENTION: AND USES THEREOF  
FILE REFERENCE: CLO01191  
CURRENT APPLICATION NUMBER: US/09/818,656A  
CURRENT FILING DATE: 2000-03-28  
NUMBER OF SEQ ID NOS: 103  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 40645  
TYPE: DNA  
ORGANISM: Homo sapien  
US-09-818-656A-3

Query Match 5.7%; Score 203; DB 10; Length 40645;  
Best Local Similarity 63.5%; Pred. No. 1.1e-31;

Matches 345; Conservative 0; Mismatches 190; Indels 8; Gaps 2;

QY 871 TTGGGATATTTACTTGTCTTTGCTCTTCTTATTTATTTACTTATTTAC 930  
DB 14801 TTTTTCATTTTATTTTATCTGTGTGTGTGTGTAACCTTTTGTGATATGATTATATA 14860  
QY 931 ATTACCCATCGTTTCCCAAAATGTAAGCAATTTGAAGCCATATTCAAACCTCT 990  
DB 14861 GTTTTCATTAATAATTTGTAATAATTTTCAGCTATTTATTTCTGTAAGCTTTTCACCTTT 14920  
QY 991 TCACATTTTGTATCTAAGTATTCACCTTGATTTGAGACTGGGT-----AGACAGGTGAA 1044  
DB 14921 TCTTCTTTCACAGACCTCCATTTACATTTAGGCTTTTGAAGCTGTCTACACCTTAGCA 14980  
QY 1045 AACCATATAGGTTTATTTTATTTTATTTTATTTATTTATTTATTTATTTTGG 1104  
DB 14981 TACCTGTCTTTTAAAAAATTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTCTTTG 15040  
QY 1105 AGATGAGTCTGG--CTGTGCCAGAGCTGAGTGCAGCGCGGTATCAAGTTCACCTGC 1162  
DB 15041 AGATGAGTCTGACCTGTGTACACCAAGCTGAGTGCAGTGTATGATCTCAGCTCCTGC 15100  
QY 1163 AGCTCAACCTTCTAGGCTCAAGGATTTCTCCACCTCAGCCCCCAAGTATTTGGACC 1222  
DB 15101 AACCTCACCCTCCAGGTTCAAGTATTTCTCCGCTCAGCTCCCAAGTATGAGTAAT 15160  
QY 1223 AACAGTATGCGGCACACATCCCTGCGTAATTTCTTATTTTGTAGATAGATCTCAC 1282  
DB 15161 ACAGGATACACACACCAAGCTAATTTTGTATTTGTAGATAGAGAGGTTTCTAC 15220  
QY 1283 TATATGTCCAGGCTGTGTTGAATTCCTGGGCTCAGTGCAGTCCCACTGGGCTCC 1342  
DB 15221 CATGTTGGCTGGGCTGTGTGTGACCTCTGACCTCAGTGATTCACCTCTCGGCTTCC 15280  
QY 1343 CAAAGTATGAGTATACAGGATGAGCCAAAGTCCCTCCCATATGAGATTTTCTGTCT 1402  
DB 15281 CAAAATGCGGGATTTACAGGATGAACTCAATGCCACAAAATGTTCTTTTCTCTCT 15340  
QY 1403 CTG 1405  
DB 15341 CTG 15343

RESULT 12  
US-09-988-113-42  
Sequence 42, Application US/09988113  
Patent No. US20020168749A1  
GENERAL INFORMATION:  
APPLICANT: Pecker, Iris  
APPLICANT: Vlodavsky, Israel  
APPLICANT: Feinstein, Elena  
TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVI  
TITLE OF INVENTION: EXPRESSION OF SAME IN GENETICALLY MODIFIED CELLS  
FILE REFERENCE: 01/22781  
CURRENT APPLICATION NUMBER: US/09/988,113  
CURRENT FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: US 09/776,874  
PRIOR FILING DATE: 2001-02-06  
PRIOR APPLICATION NUMBER: US09/258,892  
PRIOR FILING DATE: 1999-03-01  
PRIOR APPLICATION NUMBER: PCT/US98/17954  
PRIOR FILING DATE: 1998-08-31  
PRIOR APPLICATION NUMBER: US 09/109,386  
PRIOR FILING DATE: 1998-07-02  
PRIOR APPLICATION NUMBER: US 08/922,170  
PRIOR FILING DATE: 1997-09-02  
NUMBER OF SEQ ID NOS: 47  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 42  
LENGTH: 44848  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-988-113-42







